

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Currently Amended): [[A]] An optical recording medium on which information is to be recorded by one of a plurality of different information recording apparatuses, wherein at the time of manufacturing the recording medium, there are recorded in advance at least:

identification information for identifying ~~one of the~~ from a plurality of different information recording apparatuses, ~~the~~ an identified information recording apparatus for recording the information onto the optical recording medium; and

recording parameter information containing optimization information for optimizing a recording state in the record processing executed by the information recording apparatus specified by the identification information,

wherein a plurality of sets of identification information and corresponding recording parameter information are recorded on the optical recording medium.

Claim 2 (Currently Amended): The optical recording medium according to claim 1, wherein the recording parameter information comprises at least:

first recording parameter used when executing the record processing with a first recording speed; and

second recording parameter used when executing the record processing with a second recording speed which is faster than the first recording speed.

Claim 3 (Currently Amended): The optical recording medium according to claim 1, wherein the optical recording medium comprises at least:

an information recording area where the information is to be recorded; and

a control information recording area where recording control information used for controlling the record processing is to be recorded;

the identification information and the recording parameter information being recorded in the control information area in advance.

Claim 4 (Currently Amended): The optical recording medium according to claim 1, wherein standard recording parameter information is further recorded for executing the record processing in a standard recording state.

Claim 5 (Currently Amended): The optical recording medium according to claim 1, wherein in the identification information and the recording parameter information, the identical identification information and the identical recording parameter information are recorded repeatedly.

Claim 6 (Currently Amended): The optical recording medium according to claim 1, wherein a plurality of sets comprising the identification information and the recording parameter information which are in a corresponding relation are recorded.

Claim 7 (Currently Amended): The optical recording medium according to claim 1, wherein the record processing is a record processing executed optically, and

the recording parameter information is a recording parameter information for optimizing a shape of a recording pit formed on the optical recording medium by executing the record processing.

Claim 8 (Currently Amended): An information recording apparatus for executing the record processing onto [[a]] an optical recording medium on which information is to be recorded by one of a plurality of different information recording apparatuses, wherein at the time of manufacturing the optical recording medium, there are recorded in advance at least:

identification information for identifying ~~one of the~~ from a plurality of different information recording apparatuses, ~~the~~ an identified information recording apparatus for recording the information onto the optical recording medium; and recording parameter information containing optimization information for optimizing a recording state in the record processing executed by the information recording apparatus specified by the identification information, wherein a plurality of sets of identification information and corresponding recording parameter information are recorded on the optical recording medium, said apparatus comprising:

a storage device for storing the identification information for identifying the information recording apparatus;

a detection device for detecting the identification information and the recording parameter information from the optical recording medium prior to the recording of the information;

a comparison device for comparing the detected identification information to the stored identification information; and

a recording device for recording the information onto the optical recording medium while optimizing the recording state by using the detected recording parameter information when the detected information coincides with the stored identification information.

Claim 9 (Currently Amended): The information recording apparatus according to claim 8, further comprising a type-corresponding recording parameter information storage device for storing type-corresponding recording parameter information as the recording parameter information corresponding to a type of the optical recording medium,

wherein if the detected identification information does not coincide with the stored identification information, the storage device records the information onto the optical recording medium by the use of the stored type-corresponding recording parameter information.

Claim 10 (Currently Amended): The information recording apparatus according to claim 8, further comprising a standard recording parameter information storage device for detecting/storing standard recording parameter information for executing the record processing in a standard recording state,

wherein if the detected identification information does not coincide with the stored identification information, the storage device records the information onto the optical recording medium by the use of the stored standard recording parameter information.

Claim 11 (Currently Amended): An information recording method which is executed in an information recording apparatus for executing record processing onto ~~[[a]]~~ an optical recording medium on which information is to be recorded by one of a plurality of different information recording apparatuses, wherein at the time of manufacturing the recording medium, there are recorded in advance at least: identification information for identifying ~~one of a~~ from a plurality of different information recording apparatuses, ~~the~~ an identified information recording apparatus for recording the information onto the optical recording medium; and recording parameter information containing optimization information for optimizing a recording state in the record processing executed by the information recording apparatus specified by the identification information, wherein a plurality of sets of identification information and corresponding recording parameter information are recorded on the optical recording medium, said method comprising the processes of:

detecting the identification information and the recording parameter information from the optical recording medium prior to the recording of the information;

comparing the detected identification information to the identification information stored in advance in the information recording apparatus and for identifying one of the plurality of different information recording apparatuses, the identified information recording apparatus for recording the information onto the optical record medium; and

recording the information onto the optical recording medium while optimizing the recording state by using the detected recording parameter information when the detected identification information coincides with the stored identification information.

Claim 12 (Currently Amended): An optical information recording medium in which a recording program is recorded in such a manner that the recording program can be read by a recording computer contained in an information recording apparatus for executing record processing onto ~~[[a]]~~ an optical recording medium on which information is to be recorded by one of a plurality of different information recording apparatuses, wherein at the time of manufacturing the optical recording medium, there are recorded in advance at least: identification information for identifying ~~one of a~~ from a plurality of different information recording apparatuses, ~~the~~ an identified information recording apparatus for recording the information onto the optical recording medium; and recording parameter information containing optimization information for optimizing a recording state in the record processing executed by the information recording apparatus specified by the identification information, wherein a plurality of sets of identification information and corresponding recording parameter information are recorded on the optical recording medium, said program causing the recording computer to function as:

a storage device for storing the identification information for identifying the information recording apparatus;

a detection device for detecting the identification information and the recording parameter information from the optical recording medium prior to the recording of the information;

a comparison device for comparing the detected identification information to the stored identification information; and

a recording device for recording the information onto the optical recording medium while optimizing the recording state by using the detected recording parameter information when the detected identification information coincides with the stored identification information.

Claim 13 (Currently Amended): A computer data signal embodied in a carrier wave and representing executable instructions comprising instructions for executing record processing onto [[a]] an optical recording medium on which information is to be recorded by one of a plurality of different information recording apparatuses, wherein at the time of manufacturing the optical recording medium, there are recorded in advance at least: identification information for identifying ~~one of the~~ from a plurality of different information recording apparatuses, ~~the~~ an identified information recording apparatus for recording the information onto the optical recording medium; and recording parameter information containing optimization information for optimizing a recording state in the record processing executed by the information recording apparatus specified by the identification information, wherein a plurality of sets of identification information and corresponding recording

parameter information are recorded on the optical recording medium, said computer data signal causing the recording computer to function as:

a storage device for storing the identification information for identifying the information recording apparatus;

a detection device for detecting the identification information and the recording parameter information from the optical recording medium prior to the recording of the information;

a comparison device for comparing the detected identification information to the stored identification information; and

a recording device for recording the information onto the optical recording medium while optimizing the recording state by using the detected recording parameter information when the detected identification information coincides with the stored identification information.